

Certificate of Analysis



Product	Fetal Bovine Serum Delipidated, Collected in South America, sterile-filtered	Expiry Date	04/2023
Cat .No.	AB-FBS-DL0500(500 ml),AB-FBS-DL0100(100ml)	Storage	≤-15°C
Lot No.	AB20182149		

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8- 8.2	7.13	
Osmolality ⁽¹⁾	280- 340	319	mOsm/kg
Endotoxin ⁽²⁾	As reported	0.422	EU/ml
Hemoglobin	≤25	20.81	mg/dl
Glucose	As reported	3.4	mM
Calcium	As reported	3.4	mM
Phosphorous	As reported	3.0	mM
Cholesterol*	As reported	< 0.18	mM
Triglycerides*	As reported	0.83	mM
Protein Profile			
Total Protein ⁽³⁾	3.0- 4.5	3.5	g/dl
Albumin ⁽⁴⁾	As reported	1.6	g/dl
IgG	As reported	335	μg/ml
Sterility Testing			
Bacteria and Fungi	Not detected	Not detected	
Mycoplasma ⁽⁵⁾	Not detected	Not detected	
Virus Testing⁽⁶⁾			
Bovine Herpes Virus (BHV-1 and BHV-5)	Not detected	Not detected	
Pestivirus (e.g. BVD-V)	Not detected	Not detected	
Parainfluenza Virus Type 3 (PI-3)	Not detected	Not detected	
Biological Performance⁽⁷⁾			
Cell Growth Vero (Monkey Kidney Epithelial CellLine)	≥75%	98 %	
Cell Growth L929 (Murine Fibroblasts)	≥75%	104%	

References/Methods

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| (1) Freeze Point Depression | (5) Cell Culture |
| (2) Chromokinetic Test | (6) Cytopathic Effect in cell Culture and ELISA |
| (3) Biuret Colorimetry | (7) Growth Promoting Assay |
| (4) Immunoturbidimetry | * These values refer to the delipidated product |

Intended Use: For research use only.

Date: April 20,2018

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